

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: CARTELLA, Pietro

SERIAL NO.:

FILED: Herewith

TITLE: STRUCTURE FOR THE FRONT OF A VEHICLE, OF THE TYPE WITH CONTROL OF THE DEFORMATION FOR THE SAFEGUARD OF THE PEDESTRIAN

Preliminary Amendment: CLAIM AMENDMENTS

1. (Currently amended) Structure for ~~the~~ a front of a vehicle, ~~of the type~~ with deformation control for ~~the~~ safeguard of pedestrians, cooperating with a sensor means in order to detect ~~the~~ approaching or actual impact, ~~and including~~ said structure comprising:

at least one air bag placed below ~~the~~ a bonnet component, and

a "soft nose" shape of ~~the~~ a front part of the vehicle, ~~characterized in that it is composed wherein said front part is comprised~~ of at least one interchangeable pre-assembled frontal module ~~made~~ comprised of a thermoplastic material that ~~includes the~~ has a motor bonnet covering, ~~the~~ a bumper covering and ~~the~~ a covering of ~~the~~ mudguards, respectively left and right side, said pre-assembled module resulting hinged in correspondence to ~~the~~ a front side of the vehicle

2. (Currently amended) Structure for the front of a vehicle, according to claim 1, ~~characterized in that~~ wherein the pre-assembled frontal module is, at least on one side, deformable or capable of being raised by air bags placed under said module interacting with said sensor means, maintaining ~~the~~ a rear and frontal portion coupled.

3. (Currently amended) Structure for the front of a vehicle, according to ~~claims 1 and 2,~~  
~~characterized in that the~~ Claim 1, further comprising a first set of air bags of the front lateral type are  
being placed along the front end of the vehicle, while the ~~and~~ a second set of air bags of the vertical  
lateral type are being placed to the sides of said structure for the front of said vehicle.

4. (Currently amended) Structure for the front of a vehicle, according to ~~the previous claims,~~  
~~characterized in that~~ Claim 1, further comprising an interacting lock, in the rear part of the pre-  
assembled module and in proximity of the border, ~~an interacting lock with~~ and having a belt  
connected to a pre-tensioner, ~~is foreseen.~~

5. (Currently amended) Structure for the front of a vehicle, according to ~~the previous claims,~~  
~~characterized in that the~~ Claim 2, wherein a body includes of the front part comprises a crossbeam  
in a retracted position with respect to the bumper covering and bears, in correspondence to the front  
side, a dissipater or absorber of energy which is to be partially covered by the shape of the bumper  
covering of the pre-assembled module.

6. (Currently amended) Structure for the front of a vehicle, according to ~~the previous claims,~~  
~~characterized in that~~ Claim 5, further comprising a strut of the a funnel-shaped type cooperates  
cooperating with the crossbeam.

7. (Currently amended) Structure for the front of a vehicle, according to ~~the previous claims,~~  
~~characterized in that~~ Claim 1, wherein the pre-assembled module includes the further comprises a

bumper covering: shaped with rounded lines, that extends transversely along the front side of the vehicle, said bumper covering comprising:

centrally, ~~the~~ an area of ~~the~~ a radiator grid with ~~the~~ an area for ~~the~~ headlights on each side; and

an upper part turned up towards the rear part of the vehicle, that extends in correspondence with the engine bay, so far as to join up with the front border of the motor bonnet covering.

8.(Currently amended) Structure for the front of a vehicle, according to ~~the previous claims,~~  
~~characterized in that the~~ Claim 1, wherein said motor bonnet covering extends lengthways, from the connection with the bumper covering almost up to ~~the~~ a base of ~~the~~ a windscreen of the vehicle, ending with the rear border.

9. (Currently amended) Structure for the front of a vehicle, according to ~~the previous claims,~~  
~~characterized in that~~ Claim 1, wherein the left mudguard and ~~that the~~ right mudguard ~~include the~~  
comprise a relative wheel arch, and an upper part that, each turned up above the corresponding wheel arch, joins to the corresponding lateral end of the motor bonnet covering.